IN THE CLAIMS

1. (Original) A bus bar assembly, comprising:

a power supply member that couples to a power supply;

a backplane member that couples simultaneously to multiple backplanes, the backplane member defining multiple rows of holes, each row of holes including at least two holes; and

a set of fasteners that fasten the power supply member to the backplane member in order to provide a conductive path between the power supply and the multiple backplanes.

2. (Original) The bus bar assembly of claim 1 wherein the backplane member defines, as the multiple rows of holes, an N x M array of holes, and wherein each of N and M are positive integers greater than or equal to two.

3. (Original) The bus bar assembly of claim 2 wherein the set of fasteners insert through a row of holes defined by the power supply member and one of N rows of M holes in the N x M array of holes defined by the backplane member.

4. (Original) The bus bar assembly of claim 1 wherein the backplane member defines each of the multiple rows of holes in a substantially horizontal direction.

5. (Original) The bus bar assembly of claim 1 wherein the power supply member includes:

a first end portion that couples to the power supply; and

a second end portion that fastens to the backplane member.

6. (Original) The bus bar assembly of claim 5 wherein the power supply member further includes:

an intermediate portion that connects the first and second end portions; wherein the intermediate portion extends in a substantially vertical direction; and wherein the second end portion that fastens to the backplane member extends in a substantially horizontal direction.

7. (Original) The bus bar assembly of claim 5 wherein the power supply member further includes:

an intermediate portion that connects the first and second end portions; and wherein the intermediate portion is configured to couple to a side of an electronic equipment cabinet.

8. (Currently Amended) An electronic system, comprising:

a power supply;

multiple backplanes; and

a bus bar assembly electrically interconnected between the power supply and the multiple backplanes, the bus bar assembly including:

a power supply member that couples to a the power supply;

a backplane member that couples simultaneously to the multiple backplanes, the backplane member defining multiple rows of holes, each row of holes including at least two holes; and

a set of fasteners that fasten the power supply member to the backplane member in order to provide a conductive path between the power supply and the multiple backplanes.

9. (Original) The electronic system of claim 8 wherein the backplane member of the bus bar assembly defines, as the multiple rows of holes, an N x M array of holes, and wherein each of N and M are positive integers greater than or equal to two.

10. (Original) The electronic system of claim 9 wherein the set of fasteners of the bus bar assembly insert through a row of holes defined by the power supply member and one of N rows of M holes in the N x M array of holes defined by the backplane member.

11. (Original) The electronic system of claim 8 wherein the backplane member of the bus bar assembly defines each of the multiple rows of holes in a substantially horizontal direction.

12. (Original) The electronic system of claim 8 wherein the power supply member of the bus bar assembly includes:

a first end portion that couples to the power supply; and

a second end portion that fastens to the backplane member.

13. (Original) The electronic system of claim 12 wherein the power supply member of the bus bar assembly further includes:

an intermediate portion that connects the first and second end portions; wherein the intermediate portion extends in a substantially vertical direction; and wherein the second end portion that fastens to the backplane member extends in a substantially horizontal direction.

14. (Original) The electronic system of claim 12 wherein the power supply member of the bus bar assembly further includes:

an intermediate portion that connects the first and second end portions; and wherein the intermediate portion is configured to couple to a side of an electronic equipment cabinet.

15. (Currently Amended) The electronic system of claim 14, further comprising:

an insulation member configured to separate ~~separates~~ the intermediate portion of the power supply member of the bus bar assembly and the side of the electronic equipment cabinet.

16. (Currently Amended) A method for electrically connecting a power supply to multiple backplanes, the method comprising the steps of:

fastening a power supply member, which is configured to couple ~~couples~~ to ~~a~~ the power supply, to a backplane member, which is configured to couple ~~couples~~ simultaneously to the multiple backplanes, using a set of fasteners in order to form a bus bar assembly, the backplane member defining multiple rows of holes, each row of holes including at least two holes;

coupling the power supply member of the bus bar assembly to ~~a~~ the power supply; and

coupling the backplane member of the bus bar assembly simultaneously to the multiple backplanes in order to provide a conductive path between the power supply and the multiple backplanes.

17. (Original) The method of claim 16 wherein the backplane member defines, as the multiple rows of holes, an N x M array of holes, wherein each of N and M are positive integers greater than or equal to two; and wherein the step of fastening includes the step of:

inserting the set of fasteners through one of the multiple N rows of M holes defined by the backplane member and through the power supply member.

18. (Original) The method of claim 16 wherein the power supply member includes a first end portion that couples to the power supply, and a second end portion that fastens to the backplane member; and wherein the step of fastening includes the step of:

attaching the second end portion of the power supply member to the backplane member using the set of fasteners.

19. (Original) The method of claim 18 wherein the power supply member further includes an intermediate portion that connects the first and second end portions; and wherein the method further comprises the step of:

coupling the intermediate portion of the power supply member to a side of an electronic equipment cabinet.

20. (Original) The method of claim 19 wherein the step of coupling the intermediate portion of the power supply member to the side of the electronic equipment cabinet includes the step of:

positioning an insulation member between the intermediate portion of the power supply member of the bus bar assembly and the side of the electronic equipment cabinet.

21. (New) The bus bar assembly of claim 1 wherein a portion of the bus bar assembly is configured to couple to a side of an electronic equipment cabinet.

22. (New) The bus bar assembly of claim 1 wherein the backplane member is configured to (i) reside between a first backplane and a second backplane,

the first and second backplanes being substantially parallel to each other, and (ii) electrically connect each of the first and second backplanes.

23. (New) The bus bar assembly of claim 1 wherein each backplane of the multiple backplanes includes a first power supply signal pad configured to receive a first power supply signal and a second power supply signal pad configured to receive a second power supply signal that is different than the first power supply signal, and wherein the backplane member is configured to electrically connect to the first power supply signal pad of each backplane while being electrically isolated from the second power supply signal pad of each backplane.

24. (New) The electronic system of claim 8 wherein a portion of the bus bar assembly is configured to couple to a side of an electronic equipment cabinet.

25. (New) The electronic system of claim 8 wherein the backplane member is configured to (i) reside between a first backplane and a second backplane, the first and second backplanes being substantially parallel to each other, and (ii) electrically connect each of the first and second backplanes.

26. (New) The electronic system of claim 8 wherein each backplane of the multiple backplanes includes a first power supply signal pad configured to receive a first power supply signal and a second power supply signal pad configured to receive a second power supply signal that is different than the first power supply signal, and wherein the backplane member is configured to electrically connect to the first power supply signal pad of each backplane while being electrically isolated from the second power supply signal pad of each backplane.

27. (New) The method of claim 16, further comprising the step of:

coupling a portion of the bus bar assembly to a side of an electronic equipment cabinet.

28. (New) The method of claim 16 wherein the step of coupling the backplane member includes the steps of:

disposing the backplane member between a first backplane and a second backplane, the first and second backplanes being substantially parallel to each other; and

electrically connecting the backplane member to each of the first and second backplanes.

29. (New) The method of claim 16 wherein each backplane of the multiple backplanes includes a first power supply signal pad configured to receive a first power supply signal and a second power supply signal pad configured to receive a second power supply signal that is different than the first power supply signal, and wherein the step of coupling the backplane member includes the step of:

electrically connecting the backplane member to the first power supply signal pad of each backplane and leaving the backplane member electrically isolated from the second power supply signal pad of each backplane.